

~~(A) 1. (Amended)~~ the shape memory foam member of claim 1 provided on a surface of said soundproof cover which covers the engine.

A² 6. (Amended) The engine soundproof cover according to Claim 3, wherein a bulk density is not more than 400 kg/m³.

B¹ 7. (Amended) An engine soundproof structure comprising:
a soundproof cover disposed to cover an engine,
wherein the shape memory foam member of claim 1 is provided on a surface of
said soundproof cover which covers the engine.

B¹ 10. (Amended) The engine soundproof structure according to Claim 7, wherein a bulk density is not more than 400 kg/m³.

B¹ 11. (Amended) A method of producing a shape memory foam member comprising:

B² providing the shape memory foam member having a coefficient of water absorption in the range between 0.01 g/cm³ and 0.2 g/cm³ in a non-compressed state;
compressing the shape memory foam member with heating;
cooling the shape memory foam member with keeping the shape memory foam member in the compressed state; and
releasing the shape memory foam member from the compressive pressure after cooling thereby retaining a shape in the compressed state.

Please add new claims 13-18 as follows:

C⁴ 13. (New) The shape memory foam member according to Claim 2, wherein a bulk density is not more than 150 kg/m³.